

Intern Requirement

No. of students required	1
Preferred Discipline	<ul style="list-style-type: none">• Computer Science• Computer Engineering
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Strong interest in computer and security• Foundational knowledge in networking principles• Preferably with experience in C programming

Project Details

Title	Security Audit of Open-source Applications
Overview/Background	Many critical services today are run using open-source products contributed by the community at large. For example, Linux OS, Apache server etc. The programmers may reuse old code and this can sometimes lead to a re-introduction of old bugs.
Objectives/Scope/ Deliverables	<p>The aim of this project is to determine if a new commitment to the source tree of an opensource project is problematic or otherwise.</p> <p>The project seeks to have in place a system that can detect introduction of bugs to an opensource project.</p> <p>Scope:</p> <ul style="list-style-type: none">• The intern will categorize historical bugs of an opensource project into its most basic form and used it as a template for checking new code commits.• The intern may also further develop the system to adapt to new bugs. <p>Deliverables:</p> <ul style="list-style-type: none">• System to categorize old bugs and used it for the detection of old bugs in opensource projects.
Project Duration	<input checked="" type="checkbox"/> 2-4 months, or <input checked="" type="checkbox"/> 6 months